

ANNUAL STATISTICS
OF CONCENTRATION:
CUMULATIVE AMBIENT
AIR MONITORING NETWORK
1987

JULY 1990



1990

ISSN 0824-880X (mainseries)
ISSN 0830-1638 (subseries)

ACIDIC PRECIPITATION IN ONTARIO STUDY

ANNUAL STATISTICS OF CONCENTRATION

CUMULATIVE AMBIENT AIR MONITORING NETWORK

1987

Report prepared by:
Atmospheric Research and Special Projects Section
Air Resources Branch
Ontario Ministry of the Environment

ARB-003-89

JULY 1990



Copyright: Queen's Printer for Ontario, 1990
This publication may be reproduced for non-commercial purposes with appropriate attribution

PIBS 1054 LOG 89-2207-003

Copyright Provisions and Restrictions on Copying:

This Ontario Ministry of the Environment work is protected by Crown copyright (unless otherwise indicated), which is held by the Queen's Printer for Ontario. It may be reproduced for non-commercial purposes if credit is given and Crown copyright is acknowledged.

It may not be reproduced, in all or in part, part, for any commercial purpose except under a licence from the Queen's Printer for Ontario.

For information on reproducing Government of Ontario works, please contact Service Ontario Publications at copyright@ontario.ca

ACKNOWLEDGEMENTS

This report was prepared by Diane Green of the APIOS Atmospheric Deposition and Chemistry Program. However, the data themselves are a product of the combined efforts of many individuals. Precipitation samples were collected by a large number of site operators, whose names cannot be individually mentioned here, under the coordination of the APIOS environmental technicians Scott Kennedy (in the Southwestern Region), Steve Elliott (in Southeastern Region), Wim Smits Northwestern (in Region), Bill Trayling (Northeastern Region), and J.P. Varto (in Central Region). Sample handling was carried out by Sue Lampinen and Gail Fielding. Chemical analyses were performed at the Laboratory Services Branch under the coordination of Frank Tomassini. Invaluable clerical and computer assistance were provided by Peter Maheras, Joseph Lamb and Roberto Banchon. All enquiries regarding the reported data should be directed to Neville Reid, Coordinator, Atmospheric Deposition and Chemistry Program, at (416) 326-1691.

TABLE OF CONTENTS

	INDEE C	CONTENTE	
			<u>Page</u>
PARTI	INTRODUCTION		II
PART II	STATION DESCRIPTION A	ND LOCATION MAP	III
PART III	SUMMARY STATISTICS OF	OBSERVED CONCENTRATE	ON
	BY STATION	ш	
	Station	Map Ref. No.	Page
	Campbellford	13	1
	Cloyne	14	2
	Colchester	1	3
	Dalhousie Mills	16	4
	Dorion	31	5
	Dorset	20	6
v v	Ear Falls	35	7
	Geraldton	30	8
	Golden Lake	17	9
	Gowganda	25	10
	Killarney	23	11
	Mattawa	22	13
	McKellar	21	14
	Moonbeam	27	15
	Moosonee	38	16
	Otter Island	39	17
	Palmerston	8	18
	Pickle Lake	36	19
	Port Stanley	3	20
	Quetico Centre	32	21 _
	Shallow Lake	9	22
	Smith's Falls	15	23
	Turkey Lake	37	24
	Uxbridge	11	25
	ACROPANA W TO STREET		

26

Wilkesport

PART IV SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY REGION

	Page
Central Region	27
Northeastern Region	28
Northwestern Region	29
Southeastern Region	30
Southwestern Region	31

PART I

INTRODUCTION

INTRODUCTION

The data listed herein are a summary of the results acquired from the APIOS cumulative ambient air sampling network from January 1987 to December 1987. All data presented in this report have been screened for validity. Remarks and qualifications have been appended to records, and/or results where necessary. The screening procedure involves the application of a Dixon Ratio Test to concurrent data from all the sites in the same region over a given sampling period. Field comments are referred to in order to assist in the identification of problematic samples. Samples that were determined to be obvious outliers were flagged as unreliable ("U"). The sampler utilized for cumulative ambient air sampling is the Metrex AS-2 low volume air sampler. The sampler is loaded and the filter pack is exposed for 28 days beginning at 0700 h EST and terminating at 0700 h EST at the end of the sampling period. Sampling details are described in another document1.

Station Identification

The station identification is defined by four descriptive fields (e.g. - Dorset/Cumulative/LoVol #20). The first field refers to the sampling location. The second and third fields describe the sampling interval and the instrumentation used respectively. The last numeric field refers to the index code utilized on the location map.

INTRODUCTION

This report was prepared by Diane Green. The statistical summaries presented in this report pertain to the 1987 analytical results obtained from the Acidic Precipitation in Ontario Study (APIOS) cumulative ambient air monitoring network. The relevant data can be obtained on request from the Air Resources Branch of the Ontario Ministry of the Environment. Any sample of which sampling period is less that 23 days or greater than 33 days is not included in the statistics All available data are utilized in the calculations. calculations except results reported as being unreliable (i.e., results are identified as unreasonable values by using the validation procedures; detailed description of the validation procedure is available from the Ministry upon request) or approximate (i.e., inexact results are reported due to laboratory difficulties, such as may be encountered calibration or when the samples cannot be analyzed to confirm the reported values). In a very few cases, concentration levels exceeded the upper limit of the range of the chemical analysis. Rather than using the upper limit, a decision was made to exclude these values from the statistics generated in this report. Results labelled as <W are replaced by "zero". W is the level which the analytical technique cannot distinguish from zero. Prior to 1987, if a level was recorded less than one detection limit T, a value corresponding to one half the detection limit was utilized for statistical calculations as reported in the statistical summaries.

These values are no longer halved. Note that T is normally about ten times W, and values above the T criteria are considered to be precise and accurate. W corresponds to approximately one standard deviation of low level duplicate of real samples. In the presented statistics summaries, "Total Sulphur" is calculated by the summation of sulphur of Sulphur Dioxide" and "Sulphate".

Beginning in 1985, "Sulphur Dioxide" is corrected by the addition of nylon filter sulphate. In these reports sulphur loading on nylon filters is interpreted as sulphur dioxide. However, it is possible that organic sulphur compounds also contribute to this loading. Methods do not currently exist to quantify this contribution in routine network operation.

The statistical summaries presented in Parts III to IV include number of samples, mean (arithmetic/geometric), standard deviation (arithmetic/geometric), maximum, minimum, quartiles. These statistics are for an average sampling period.

Whatman 40 Blank Filters

The occurrence of non-zero blank values for the Whatman 40 filters used in the cumulative network should be borne in mind when interpreting data from this method. Typical loadings mg/filter) for these blank filters, are summarized in Table 1.

Table 1

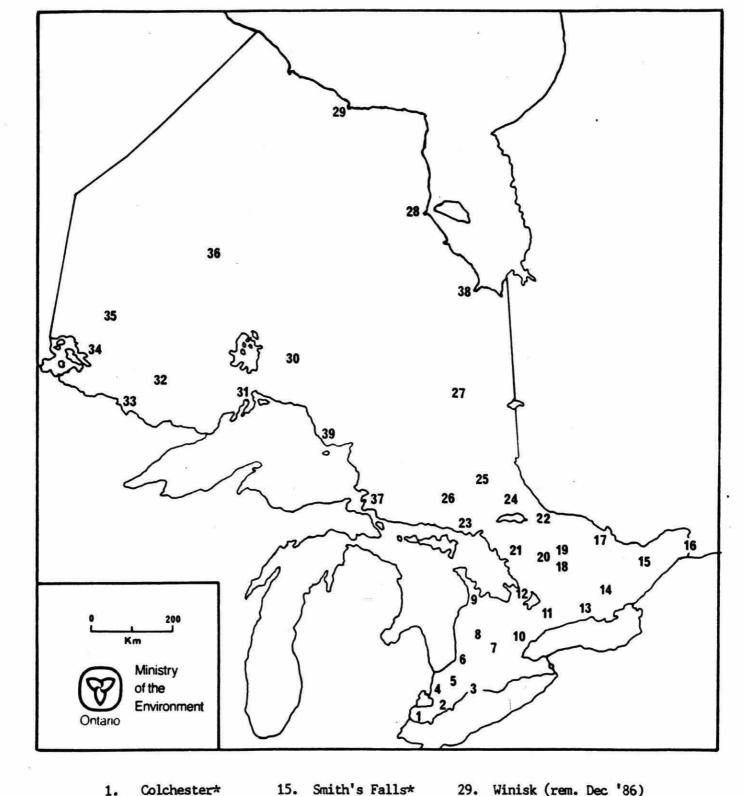
Chemical of Filters	Total Blank Loading (μ g/filter)						
Parameters	Samples	Mean*	S.D.*	≥W			
(a	MANUFECTION CASES CONTRACTOR AND ANALYSIS OF THE STATE OF						
Sulphate	107	5.0 <t< td=""><td>0</td><td>22</td></t<>	0	22			
Nitrate	107	1.4 <t< td=""><td>0.3</td><td>25</td></t<>	0.3	25			
Calcium	96	2.88	0.68	96			
Magnesium	97	0.69	1.33	65			
Aluminum	97	0.59	0.56	45			
Cadmium	97	0.010	0.006	91			
Copper	9,7	0.03	0.02	70			
Iron	97	0.92	0.70	95			
Manganese	97	0.20	0.51	35			
Nickel	97	0.04	0.07	54			
Lead	97	0.12	0.13	38			
Vanadium	97	0.02	0.002	36			
Zinc	97	0.23	0.13	39			
Sodium	107	2.66	0.95	106			
Potassium	103	1.16	1.50	103			
Chloride	107	8.8	2.8	105			

RE2126

^{*}Calculated for $\geq W$ values only.

PART II

STATION DESCRIPTION AND LOCATION MAP



- 29. Colchester* 15. Smith's Falls* 2. 16. Dalhousie Mills* Merlin 17. Golden Lake* 3. Pt. Stanley* 31. 4. Wilkesport* 18. Wilberforce 5. Alvinston 19. Whitney 32. Huron Park 20. Dorset* 6. 21. McKellar* 7. Waterloo 22. 8. Palmerston* Mattawa* 23. Shallow Lake* Killarney* 24. 10. Milton (removed Bear Island 37. March '84) 25. Gowganda* 38. 11. Uxbridge* Azure Lake (repl. Ramsey, June '83) 39. 12. Coldwater 27. 13. Campbellford* Moonbeam* 40. 14. Cloyne* (repl. 28. Attawapiskat Kalladar, June '83) (rem. Feb '84)
 - Quetico Centre* 33. Lac la Croix 34. Experimental Lakes Area 35. Ear Falls* 36. Pickle Lake* Turkey Lake* Moosonee* (installed October '85) Otter Island* (summer only) Sutton, Quebec (Intercomparison Site)

Geraldton (replaced

Nakina, Aug '83)

Dorion*

* indicates both a wet and dry deposition network site

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS-ACIDIC PRECIPITATION IN ONTARIO STUDY CUMULATIVE AMBIENT AIR SITES

						UTM GRI	D
STATION ID	MOE REGION	STATION NAME	ELEV	LATITUDE	LONGITUDE	CO-ORDII	NATES
			(M)	(NORTH)	(WEST)	(NORTHING)	
000001-22-21-1041	SOUTHWESTERN	COLCHESTER	183	41059'15"	82055'41"	4649973	340284
000001-22-21-1061	SOUTHWESTERN	PORT STANLEY	213	42°40'22"	81°09'55"	4724277	486457
000001-22-21-1071	SOUTHWESTERN	WILKESPORT	183	42°42'11"	82°21'13"	4728515	389135
000001-22-21-1091	SOUTHWESTERN	SHALLOW LAKE	229	44°34′54"	81°06′58"	4936270	490782
000001-22-21-1101	SOUTHWESTERN	PALMERSTON	389	43°48'19"	80°54'12"	4850035	507776
			200		200554504		*****
000001-22-21-3011	CENTRAL	DORSET	320	45°13′26"	78°55′52"	5009656	662429
000001-22-21-3061	CENTRAL	UXBRIDGE	244	44°12′46"	79°12′38"	4896847	642958
000001-22-21-3081	CENTRAL	CAMPBELLFORD	175	44°17′28"	77°47′33"	4907783	277202
000001-22-21-4061	SOUTHEASTERN	SMITH'S FALLS	122	44056'41"	75°57′48"	4977044	423999
000001-22-21-4071	SOUTHEASTERN	DALHOUSIE MILLS	69	45°19'00"	74°28′13"	5018048	541521
000001-22-21-4081	SOUTHEASTERN	GOLDEN LAKE	160	45°36′ 48"	77°12′03"	5053226	328397
000001-22-21-4091	SOUTHEASTERN	CLOYNE	259	44°49'10"	77°11′07"	4964999	327221
000001 22 22 1071	JOU THE HEALTH	0201112		11 12 10		1501555	32,122
000001-22-21-5011	NORTHEASTERN	MCKELLAR	244	45°31'15"	79°55′19"	5041158	584196
000001-22-21-5021	NORTHEASTERN	KILLARNEY	183	45°58' 20"	81°29'18"	5090859	462167
000001-22-21-5031	NORTHEASTERN	MATTAWA	198	46°16'39"	78°49'19"	5126968	667810
000001-22-21-5061	NORTHEASTERN	GOWGANDA	343	47°39'04"	80046'32"	5277329	516647
000001-22-21-5071	NORTHEASTERN	MOONBEAM	244	49°19'40"	82°01'10"	5464175	425924
000001-22-21-5141	NORTHEASTERN	TURKEY LAKES	440	47°03'15"	84°24' 20"	5214246	697468
000001-22-21-5161	NORTHEASTERN	MOOSONEE	8	51012'35"	80°42'20"	5672970	520568
000001-22-21-5201	NORTHEASTERN	MCFARLANE LAKE	246	46°25′57"	81°57′03"	5142324	426948
				Contract to the contract of th	Appropriate Market State Company of Company		
000001-22-21-6011	NORTHWESTERN	DORION	244	48°50′33"	88°36′45"	5410982	381684
000001-22-21-6031	NORTHWESTERN	EAR FALLS	350	50°38′31"	93°13′13"	5609814	484424
000001-22-21-6041	NORTHWESTERN	PICKLE LAKE	360	51°02′41"	90°12′04"	5658308	696198
000001-22-21-6071	NORTHWESTERN	QUETICO CENTRE	420	48°24′44"	91°12′08"	5363461	633036
000001-22-21-6111	NORTHWESTERN	OTTER ISLAND	204	4806'50"	8604'25"	5329155	568954
000001-22-21-6121	NORTHWESTERN	GERALDTON	350	49°48′18"	86°45′52"	5516758	516950

PART III

SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY STATION

			ST	PATION=CAMPBELLFOR	D LOVOL SITE N	0.1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	5.95	6.73	3.531	11.772	3.462	0.558	0.527
MINIMOM	:	1.19	2.37	0.065	0.239	0.242	0.260	0.040
ARITH. MEAN	:	3.53	3.79	0.469	1.675	1.210	0.378	0.143
ARITH. STD. DEV	:	1.46	1.61	1.077	3.552	1.15	0.098	0.153
GEOM. MEAN	:	3.22	3.54	0.167	0.715	0.803	0.368	0.103
1ST QUARTILE	:	2.58	2.59	0.081	0.451	0.361	0.303	0.059
2ND QUARTILE	:	3.13	3.29	0.138	0.560	0.544	0.380	0.092
3RD QUARTILE	:	4.67	5.01	0.183	0.801	2.258	0.449	0.165
MISSING VALUES	:	2	2	1	1	2	2	2
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	
		DG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	0.375	0.280	0.386	0.177	0.025	0.0162	0.004
MINIMOM	:	0.073	0.035	0.034	0.004	0.003		F1275017
ARITH. MEAN	:	0.196	0.125	0.149	0.061	0.016		235(2)(2)2
ARITH. STD. DEV	:	0.106	0.080	0.122	0.051	0.008		
GEOM. MEAN	:	0.172	0.103	0.109	0.043	0.013		0.002
IST QUARTILE	:	0.113	0.057	0.051	0.033	0.009		0.001
ND QUARTILE	:	0.188	0.124	0.124	0.046	0.015		0.002
RD QUARTILE	:	0.277	0.176	0.243	0.085	0.022		
CISSING VALUES	:	2	2	2	2	2	2	2
		NICKEL	VANADIUM	ZINC	CYDNION	SULFATE NYL	TOTAL SULFUR	TOTAL N
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	11	11	11	11	11	11.00	11.00
CAXIMUM .	:	0.00362	0.0013	0.0238	0.02330	2.0038	3.76	15.30
(INIMOM	:	0.00045	0.0003	0.0017	0.00039	0.6156	1.84	0.31
RITH. MEAN	:	0.00158	0.0008	0.0155	0.00387	1.2600	3.03	2.14
RITH. STD. DEV	:	0.00121	0.0003	0.0078	0.00737	0.4993	0.68	4.63
EOM. MEAN	:	0.00122	0.0008	0.0123	0.00150	1.1667	2.95	0.89
ST QUARTILE	:	0.00070	0.0005	0.0087	0.00059	0.7911	2.36	0.55
ND QUARTILE	:	0.00083	0.0007	0.0180	0.00082	1.1982	3.25	0.68
RD QUARTILE	:	0.00276	0.0012	0.0220	0.00307	1.6796	3.53	0.98
ISSING VALUES	:	2	2	2	2	2	2.00	1.00

				- STATION=CLOYNE	LOVOL SITE NO. 1			
		SULFUR. DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES	:	10	10	10	10	10	10	10
MAXIMUM	:	16.19	6.88	0.227	1.284	0.854	1.072	0.236
MINIMUM	:	1.98	2.35	0.070	0.231	0.011	0.163	0.074
ARITH, MEAN	:	5.51	4.28	0.144	0.449	0.378	0.370	0.123
ARITH. STD. DEV	:	4.94	1.74	0.058	0.380	0.275	0.324	0.061
GEOM. MEAN	:	4.30	3.98	0.135	0.367	0.233	0.295	0.113
LST QUARTILE	:	2.54	2.70	0.102	0.245	0.246	0.203	0.083
ND QUARTILE	:	4.26	3.89	0.134	0.299	0.272	0.227	0.095
RD QUARTILE	:	6.37	6.03	0.218	0.502	0.598	0.455	0.181
ISSING VALUES	:	3	3	3	3	3	3	3
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	10	10	10	10	10	10	10
MUMIXAN	:	0.683	0.263	0.354	0.136	0.042	0.0567	0.005
KINIMUM	:	0.105	0.018	0.013	0.003	0.009	0.0039	0.002
RITH. MEAN	:	0.260	0.116	0.117	0.055	0.020	0.0140	0.003
RITE. STD. DEV	:	0.207	0.075	0.119	0.043	0.011	0.0190	0.001
GEOM. MEAN	:	0.210	0.092	0.071	0.036	0.017	0.0087	0.002
ST QUARTILE		0.136	0.072	0.028	0.026	0.011	0.0047	0.002
ND QUARTILE	:	0.165	0.114	0.092	0.048	0.017	0.0067	0.002
RD QUARTILE	:	0.374	0.133	0.181	0.083	0.022	0.0129	0.004
ISSING VALUES	:	3	3	3	3	3	3	3
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL	TOTAL N
							SULFUR	NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	10	10	10	10	10	10.00	10.00
MUMIXA	:	0.00533	0.0059	0.0403	0.00182	1.3524	9.39	1.42
INIMUM	:	0.00050	0.0007	0.0121	0.00035	0.5203	2.17	0.32
RITH. MEAN	:	0.00198	0.0017	0.0211	0.00072	1.0641	4.18	0.59
RITH. STD. DEV	:	0.00162	0.0019	0.0104	0.00052	0.2769	2.44	0.39
EOM. MEAN	:	0.00154	0.0013	0.0193	0.00061	1.0238	3.75	0.51
ST QUARTILE	:	0.00078	0.0008	0.0130	0.00036	0.9140	2.92	0.33
ND QUARTILE	:	0.00160	0.0009	0.0180	0.00049	1.1855	3.30	0.43
RD QUARTILE	:	0.00252	0.0017	0.0299	0.00090	1.2180	4.87	0.73
ISSING VALUES	:	3	3	3	3	3	3.00	3.00

STATION=COLCHESTER LOVOL SITE NO.1 -SULFUR. DIOX SULFATE NITRIC NITRATE CALCIUM CHLORIDE POTASSIUM UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 # OF SAMPLES 13 13 13 13 13 13 13 MAXIMUM 41.15 14.32 0.704 1.625 1.405 0.226 1.091 MINIMOM 8.20 0.13 0.132 0.791 0.362 0.520 0.071 ARITH. MEAN 14.88 5.98 0.305 1.119 0.843 0.737 0.118 ARITH. STD. DEV 8.91 3.66 0.157 0.229 0.296 0.177 0.041 GEOM. MEAN 13.32 4.34 0.275 1.098 0.792 0.719 0.112 1ST QUARTILE 9.85 3.84 0.208 0.909 0.641 0.620 0.083 2ND QUARTILE 11.24 4.72 0.247 1.183 0.815 0.705 0.113 3RD QUARTILE 18.15 8.50 0.382 1.234 1.095 0.796 0.134 MISSING VALUES 0 0 0 SODIUM IRON ALUMINIUM MAGNESIUM LEAD MANGANESE COPPER UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 # OF SAMPLES 13 13 13 13 13 13 13 MAXIMUM 0.389 0.383 0.472 0.308 0.072 0.0173 0.007 MINIMUM 0.140 0.110 0.025 0.004 0.008 0.0097 0.002 ARITH. MEAN 0.215 0.228 0.164 0.028 0.004 0.169 0.0134 ARITH. STD. DEV 0.085 0.066 0.131 0.082 0.018 0.0025 0.001 GEOM. MEAN 0.203 0.219 0.124 0.128 0.023 0.003 0.0132 1ST QUARTILE 0.166 0.190 0.078 0.120 0.015 0.0112 0.003 2ND QUARTILE 0.182 0.217 0.111 0.166 0.025 0.0138 0.003 3RD QUARTILE 0.256 0.268 0.259 0.220 0.004 0.038 0.0153 MISSING VALUES 0 0 0 0 0 VANADIUM NICKEL ZINC CADMIUM SULFATE NYL TOTAL TOTAL N SULFUR NITRATE UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M**3 UG/M**3 # OF SAMPLES 13 13 13 13 13 13.00 13.00 MAXIMUM 0.01367 0.0075 0.0565 0.01682 2.9118 21.73 1.93 MINIMUM 0.00059 0.0014 0.0214 0.00056 0.3134 5.14 0.99 ARITH. MEAN 0.00297 0.0027 0.0416 0.00388 1.3511 9.43 1.42 ARITH. STD. DEV 0.00334 0.0016 0.0096 0.00561 0.8433 4.25 0.26 GEOM. MEAN 0.00218 0.0024 0.0405 0.00179 1.0991 8.79 1.40 1ST QUARTILE 0.00140 0.0017 0.0345 0.00081 0.5638 6.63 1.26 2ND QUARTILE 0.00203 0.0024 0.0416 0.00109 1.1083 8.36 1.44 3RD QUARTILE 0.00303 0.0031 0.0490 0.00555 2.0740 10.61 1.57 MISSING VALUES 0 0 0 0 0.00 0.00

			ST	ATION=DALHOUSIE MI	LLS LOVOL SITE	NO.1		~~~~
		SULFUR DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES		11	11	11	11	11	11	11
MAXIMUM	:	5.49	6.17	0.173	1.110	1.63	2 0.985	6.117
MINIMUM		1.43	2.54	0.036	0.191	0.09	2 0.245	0.074
ARITH. MEAN	:	3.15	3.99	0.109	0.559	0.83	4 0.470	0.733
RITH. STD. DEV	:	1.45	1.30	0.044	0.285	0.44	9 0.240	1.892
GEOM. MEAN	:	2.84	3.82	0.100	0.494	0.67	9 0.426	0.190
ST QUARTILE	:	1.68	2.99	0.078	0.331	0.55	3 0.307	0.110
ND QUARTILE	:	3.32	3.55	0.108	0.506	0.79	8 0.386	0.135
RD QUARTILE	:	4.35	5.50	0.147	0.743	1.20	0.600	0.178
ISSING VALUES	:	1	1	1	1	1	1	1
	1655	SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	0.606	0.272	0.373	0.159	0.03	6 0.0411	0.006
INIMUM	:	0.112	0.038	0.027	0.003	0.00	9 0.0044	0.002
ARITH. MEAN	:	0.286	0.135	0.110	0.080	0.02	0.0216	0.003
RITH. STD. DEV	:	0.161	0.082	0.113	0.048	0.00	9 0.0115	0.001
GEOM. MEAN	:	0.251	0.111	0.076	0.057	0.01	9 0.0181	0.003
ST QUARTILE	:	0.167	0.066	0.035	0.047	0.01	4 0.0107	0.002
ND QUARTILE	:	0.236	0.113	0.060	0.080	0.02	0.0240	0.003
RD QUARTILE	:	0.442	0.196	0.147	0.107	0.02	8 0.0294	0.004
ISSING VALUES	:	1	1	1	1	1	1	1
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N
		UG/M3	UG/M3	UG/M3	JG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	*	11	11	11	11	11	11.00	11.00
AXIMUM	*	0.00422	0.0037	0.0454	0.00396	1.1537	4.65	1.25
INIMUM		0.00024	0.0006	0.0081	0.00032	0.4809	1.79	0.27
RITH. MEAN		0.00177	0.0020	0.0260	0.00122	0.9018	2.91	0.67
RITH. STD. DEV	•	0.00112	0.0009	0.0119	0.00121	0.2539	0.80	0.30
EOM. MEAN		0.00143	0.0017	0.0231	0.00084	0.8629	2.81	0.61
ST QUARTILE		0.00145	0.0017	0.0146	0.00042	0.6866	2.45	0.43
ND QUARTILE	•	0.00148	0.0021	0.0276	0.00064	0.9742	2.88	0.63
RD QUARTILE		0.00240	0.0025	0.0362	0.00225	1.1353	3.14	0.88
ISSING VALUES		1	1	1	1	1	1.00	1.00

				- STATION=DORION	LOVOL SITE NO. 1			
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	DG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
CAXIMOM	:	1.78	2.27	0.117	0.228	0.638		0.713
CINIMUM	:	0.25	0.39	0.000	0.034	0.026		0.001
RITH. MEAN	:	0.65	1.13	0.037	0.092	0.229		0.120
RITH. STD. DEV	:	0.46	0.66	0.034	0.068	0.199	0.079	0.191
EOM. MEAN	:	0.53	0.96	0.042	0.074	0.153		0.048
ST QUARTILE	:	0.30	0.59	0.010	0.044	0.075	0.098	0.022
ND QUARTILE	:	0.53	0.91	0.031	0.062	0.130	0.124	0.045
RD QUARTILE	:	1.01	1.82	0.049	0.132	0.365	0.146	0.118
ISSING VALUES	:	0	0	0	0	0	0	0
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	Manganese	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
MUMIXA	:	1.216	0.152	0.361	0.223	0.018	0.0055	0.030
INIMUM	:	0.062	0.003	0.008	0.006	0.001	0.0006	0.001
RITH. MEAN	:	0.195	0.071	0.104	0.095	0.007	0.0031	0.004
RITH. STD. DEV	•	0.312	0.043	0.112	0.068	0.006	0.0017	0.008
EOM. MEAN	•	0.122	0.053	0.053	0.064	0.004	0.0025	0.002
ST QUARTILE	:	0.070	0.042	0.015	0.030	0.002	0.0014	0.001
ND QUARTILE	•	0.107	0.061	0.081	0.084	0.006		0.001
RD QUARTILE	•	0.133	0.101	0.159	0.151	0.012		0.002
ISSING VALUES	1	0	0	0	0	0	0	0
77		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
AXIMOM	:	0.00316	0.0014	0.0078	0.01685	1.1386	1.59	0.35
INIMUM	:	0.00013	0.0002	0.0006	0.00005	0.0000	0.26	0.04
RITH. MEAN	:	0.00129	0.0006	0.0034	0.00324	0.4736	0.70	0.13
RITH. STD. DEV	:	0.00097	0.0003	0.0026	0.00566	0.3187	0.41	0.08
EOM. MEAN	:	0.00093	0.0005	0.0023	0.00065	0.4204	0.61	0.11
ST QUARTILE		0.00051	0.0003	0.0007	0.00022	0.2784	0.39	0.07
ND QUARTILE		0.00095	0.0005	0.0032	0.00034	0.4458	0.62	0.09
RD QUARTILE		0.00220	0.0007	0.0059	0.00563	0.6226	0.96	0.17
ISSING VALUES		0	0	0	0.0000	0	0.00	0.00

				STATION=DORSET	LOVOL SITE NO.1			
		SULFUR. DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	:	13	13	13	13	13	13	13
MAXIMUM	3	7.05	5.21	0.379	0.348	0.562	0.401	0.561
MINIMUM	2	1.00	1.19	0.065	0.083	0.054	0.080	0.014
ARITH. MEAN	:	3.25	3.12	0.151	0.216	0.241	0.173	0.086
ARITH. STD. DEV		1.59	1.28	0.079	0.072	0.145	0.080	0.144
GEOM. MEAN		2.86	2.86	0.138	0.203	0.203	0.161	0.052
IST QUARTILE	:	2.13	2.01	0.111	0.171	0.131	0.135	0.033
2ND QUARTILE		3.48	3.38	0.134	0.217	0.215	0.147	0.044
3RD QUARTILE	:	4.00	4.16	0.156	0.278	0.283	0.189	0.068
MISSING VALUES	:	0	0	0	0	0	0	0
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
· MUMIKAN	:	0.286	0.269	0.277	0.151	0.037	0.0088	0.006
KINIMOM	:	0.084	0.025	0.003	0.006	0.001	0.0010	0.001
ARITH. MEAN	:	0.144	0.100	0.100	0.047	0.009	0.0039	0.003
RITH. STD. DEV	:	0.066	0.076	0.094	0.039	0.009	0.0020	0.002
GEOM. MEAN	:	0.133	0.078	0.050	0.035	0.006	0.0034	0.002
ST QUARTILE	:	0.099	0.050	0.012	0.019	0.004	0.0023	0.002
ND QUARTILE	:	0.122	0.057	0.067	0.040	0.008	0.0037	0.003
RD QUARTILE	:	0.178	0.170	0.183	0.066	0.010	0.0051	0.004
CISSING VALUES	:	0	0	0	0	0	0	0
· ·		NICKEL	VANADIUM	LINC	CADMIUM	SULFATE NYL	TOTAL	TOTAL N
							SULFUR	NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
MUMIKA	:	0.01028	0.0017	0.0250	0.01362	2.8471	4.65	0.73
INIMUM	:	0.00012	0.0002	0.0036	0.00014	0.7458	1.63	0.19
RITH. MEAN	:	0.00241	0.0007	0.0112	0.00267	1.2376	2.66	0.37
RITH. STD. DEV	:	0.00269	0.0004	0.0066	0.00476	0.5777	0.78	0.14
EOM. MEAN	:	0.00126	0.0007	0.0096	0.00087	1.1476	2.57	0.35
ST QUARTILE	:	0.00027	0.0005	0.0062	0.00033	0.8519	2.15	0.28
ND QUARTILE	:	0.00225	0.0006	0.0100	0.00058	1.0938	2.74	0.34
RD QUARTILE	:	0.00295	0.0009	0.0134	0.00214	1.3446	2.83	0.42
ISSING VALUES	:	0	0	0	0	0	0.00	0.00

				STATION=EAR FALL	S LOVOL SITE NO).1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES	:	13	13	13	13	13	13	13
MAXIMUM	:	1.59	2.22	0.095	0.195	0.367	0.451	0.168
MINIMON	:	0.25	0.50	0.006	0.036	0.025	0.082	0.009
ARITH. MEAN	:	0.60	0.98	0.043	0.079	0.156		0.063
ARITH. STD. DEV	:	0.41	0.54	0.028	0.049	0.109		0.047
GEOM. MEAN	:	0.49	0.88	0.035	0.069	0.122		0.048
ST QUARTILE	:	0.27	0.60	0.025	0.047	0.084		0.025
ND QUARTILE	:	0.51	0.80	0.035	0.063	0.106		0.060
3RD QUARTILE	:	0.81	1.16	0.066	0.096	0.266		0.087
MISSING VALUES	:	1	1	1	1	1	1	1
47 **		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
CAXINOM	:	0.303	0.193	0.203	0.071	0.015	0.0065	0.004
CINIMUM	:	0.069	0.022	0.010	0.006	0.001		0.000
RITH. MEAN	:	0.123	0.073	0.065	0.041	0.006	0.0029	0.001
ARITH. STD. DEV	:	0.069	0.052	0.059	0.022	0.004	0.0016	0.001
SEOM. MEAN	:	0.111	0.059	0.046	0.034	0.004	0.0025	0.001
ST QUARTILE	:	0.087	0.032	0.028	0.020	0.003	0.0015	0.000
ND QUARTILE	:	0.091	0.052	0.037	0.041	0.006	0.0025	0.001
RD QUARTILE	:	0.125	0.113	0.093	0.063	0.007		0.001
ISSING VALUES	:	1	2	1	1	1	1	1
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
AXIMUM	:	0.03632	0.0010	0.0046	0.01094	1.0529	1.54	0.27
IININOM	:	0.00037	0.0002	0.0006	0.00017	0.1775	0.29	0.06
RITH. MEAN	:	0.00455	0.0005	0.0026	0.00272	0.4437	0.63	0.12
RITH. STD. DEV	:	0.01017	0.0002	0.0015	0.00419	0.2433	0.35	0.07
eom. Mean	:	0.00145	0.0004	0.0020	0.00076	0.3937	0.56	0.11
ST QUARTILE	:	0.00056	0.0002	0.0009	0.00023	0.2615	0.39	0.08
ND QUARTILE	:	0.00094	0.0004	0.0027	0.00031	0.3482	0.52	0.09
RD QUARTILE	:	0.00301	0.0006	0.0039	0.00642	0.5594	0.75	0.17
ISSING VALUES	:	1	1	1	1	1	1.00	1.00

				STATION=GERALDTO	NA TOROT GIRD NO	1 1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES		13	13	13	13	13	13	13
MAXIMUM		2.48	2.01	0.146	0.228	0.628		0.387
MINIMUM		0.00	0.02	0.000	0.006	0.012		0.000
ARITH, MEAN		0.63	0.86	0.033	0.069	0.209		0.062
RITH. STD. DEV		0.71	0.67	0.038	0.065	0.186		0.101
SEOM. MEAN		0.54	0.46	0.027	0.047	0.115		0.036
ST QUARTILE		0.22	0.21	0.007	0.027	0.030		0.011
ND QUARTILE		0.38	0.82	0.028	0.049	0.236	0.099	0.035
RD QUARTILE	:	0.80	1.48	0.043	0.093	0.327	0.124	0.064
ISSING VALUES	:	0	0	0	0	0	0	0
140		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
MUNIXA	:	0.234	0.151	0.150	0.104	0.011	0.0060	0.010
INIMUM	:	0.032	0.003	0.003	0.003	0.001	0.0006	0.000
RITH. MEAN		0.099	0.047	0.043	0.040	0.004	0.0019	0.002
RITH. STD. DEV	:	0.053	0.044	0.046	0.034	0.004	0.0018	0.004
EOM. MEAN	:	0.088	0.030	0.024	0.025	0.003	0.0013	0.001
ST QUARTILE	:	0.072	0.014	0.010	0.009	0.001	0.0006	0.000
ND QUARTILE	:	0.082	0.032	0.022	0.042	0.003	0.0010	0.001
RD QUARTILE	:	0.111	0.070	0.078	0.067	0.007	0.0030	0.002
ISSING VALUES	:	0	0	0	0	0	0	0
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
MUMIKA	:	0.00296	0.0012	0.0055	0.01258	1.4028	1.91	0.37
INIMUM	:	0.00023	0.0002	0.0006	0.00008	0.0000	0.01	0.01
RITH. MEAN	:	0.00135	0.0006	0.0024	0.00275	0.4349	0.60	0.10
RITH. STD. DEV	:	0.00084	0.0004	0.0018	0.00476	0.3711	0.56	0.10
EOM. MEAN	:	0.00108	0.0005	0.0018	0.00056	0.3550	0.29	0.07
ST QUARTILE	:	0.00071	0.0003	0.0007	0.00016	0.1440	0.18	0.05
ND QUARTILE	:	0.00119	0.0005	0.0020	0.00027	0.4236	0.54	0.08
RD QUARTILE	:	0.00208	0.0009	0.0040	0.00470	0.4899	0.82	0.12
ISSING VALUES	:	0	0	0	0	0	0.00	0.00

				STATION=GOLDEN L	AKE LOVOL SITE N	ю.1		
		SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	:	13	13	13	13	13	13	13
MAXIMUM	:	3.46	5.57	0.400	1.722	0.909	0.324	0.993
MININOM	:	1.16	1.89	0.050	0.050	0.018	0.115	0.050
ARITH. MEAN	:	2.12	3.12	0.131	0.323	0.265	0.199	0.265
ARITH. STD. DEV	:	0.89	1.17	0.096	. 0.457	0.256	0.057	0.302
GEOM. MEAN	:	1.95	2.95	0.111	0.193	0.172	0.192	0.167
1ST QUARTILE	:	1.28	2.16	0.080	0.090	0.097	0.155	0.087
2ND QUARTILE		1.90	2.84	0.093	0.232	0.149	0.196	0.135
3RD QUARTILE	:	3.12	4.08	0.144	0.284	0.384	0.227	0.377
MISSING VALUES	:	2	2	1	1	2	2	2
age and		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	DG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	:	13	13	13	13	13	13	13
MAXIMOM	:	0.277	0.190	0.213	0.115	0.027	0.0086	0.005
MININUM	:	0.095	0.020	0.003	0.004	0.005	0.0033	0.001
ARITH. MEAN	:	0.157	0.080	0.065	0.061	0.013	0.0052	0.003
ARITH. STD. DEV	:	0.051	0.052	0.066	0.035	0.007	0.0017	0.001
GEOM. MEAN	:	0.150	0.065	0.039	0.048	0.011	0.0050	0.002
1ST QUARTILE	:	0.119	0.035	0.021	0.038	0.008	0.0038	0.002
2ND QUARTILE		0.161	0.086	0.035	0.054	0.010	0.0051	0.002
3RD QUARTILE	:	0.179	0.102	0.110	0.100	0.019	0.0063	0.004
MISSING VALUES		2	2	2	2	2	2	2
		NICKEL	MUIDANAV	ZINC	CADMIUM	SULFATE NIL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	DG/M3	UG/M3	UG/M3	UG/M3	DG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
MOMIXAN	:	0.00432	0.0018	0.0261	0.00449	1.5713	2.81	2.12
MINIMOM	:	0.00040	0.0003	0.0058	0.00025	0.7386	1.43	0.13
ARITH. MEAN	:	0.00168	0.0011	0.0109	0.00091	1.1278	2.10	0.45
ARITH. STD. DEV	:	0.00128	0.0005	0.0058	0.00127	0.2732	0.46	0.55
GEOM. MEAN	:	0.00129	0.0010	0.0098	0.00056	1.0964	2.05	0.32
ST QUARTILE	:	0.00076	0.0008	0.0071	0.00031	0.8357	1.58	0.16
2ND QUARTILE	:	0.00132	0.0011	0.0091	0.00042	1.2460	2.20	0.35
3RD QUARTILE	:	0.00254	0.0016	0.0134	0.00064	1.3133	2.35	0.45
CISSING VALUES	:	2	2	2	2	2	2.00	1.00

			·	STATION=GOWGAND	A LOVOL SITE NO.			
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM		6.37	4.01	0.152	0.188	0.359	0.390	0.107
MINIMUM		1.07	0.43	0.044	0.056	0.022	0.109	0.010
ARITH. MEAN	:	3.70	1.95	0.087	0.128	0.129	0.203	0.048
ARITH. STD. DEV	:	1.50	0.93	0.037	0.040	0.095	0.089	0.029
GEOM. MEAN	:	3.35	1.72	0.081	0.122	0.103	0.187	0.040
1ST QUARTILE	:	2.67	1.56	0.062	0.105	0.070	0.121	0.029
ND QUARTILE		3.78	1.77	0.073	0.118	0.099	0.207	0.043
3RD QUARTILE		4.65	2.29	0.120	0.164	0.164	0.251	0.068
MISSING VALUES	:	1	1	1	1	1	1	1
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	0.295	0.179	0.254	0.087	0.015	0.0065	0.008
MINIMUM	:	0.067	0.005	0.003	0.003	0.001	0.0014	0.001
ARITH. MEAN	:	0.162	0.082	0.095	0.044	0.006	0.0033	0.004
ARITH. STD. DEV	:	0.079	0.074	0.094	0.030	0.004	0.0018	0.002
GEOM. MEAN	:	0.145	0.046	0.049	0.032	0.005	0.0029	0.004
ST QUARTILE	:	0.109	0.015	0.019	0.021	0.003	0.0018	0.002
ND QUARTILE	:	0.141	0.043	0.043	0.035	0.006	0.0029	0.005
RD QUARTILE	:	0.244	0.172	0.185	0.078	0.008	0.0045	0.006
MISSING VALUES	:	1	1	1	1	1	1	1
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/N3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	11	11	11	11	11	11.00	11.00
MUMIKAN	:	0.01351	0.0017	0.0185	0.01930	1.9927	3.74	0.34
MUNIMUM	:	0.00013	0.0002	0.0037	0.00006	0.2945	1.38	0.13
ARITH. MEAN	:	0.00283	0.0008	0.0091	0.00303	0.9640	2.50	0.22
ARITH. STD. DEV	:	0.00399	0.0005	0.0050	0.00616	0.4921	0.70	0.07
GEOM. MEAN	:	0.00134	0.0006	0.0078	0.00065	0.8450	2.40	0.21
ST QUARTILE	:	0.00048	0.0003	0.0042	0.00022	0.5108	2.01	0.16
ND QUARTILE	:	0.00150	0.0006	0.0089	0.00041	0.9539	2.49	0.19
BRD QUARTILE	:	0.00347	0.0013	0.0129	0.00284	1.2222	2.93	0.27
MISSING VALUES	:	1	1	1	1	1	1.00	1.00

STATION=KILLARNEY LOVOL SITE NO.1 SULFUR.DIOX SULFATE NITRIC NITRATE CALCIUM CHLORIDE POTASSIUM UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 # OF SAMPLES 14 14 14 14 14 14 14 MAXIMUM 12.10 4.30 0.249 0.370 0.474 0.334 0.139 MINIMUM 1.52 1.38 0.039 0.123 0.027 0.099 0.021 ARITH. MEAN 2.64 0.121 0.247 0.192 0.219 0.055 5.67 ARITH. STD. DEV 3.67 0.94 0.058 0.085 0.127 0.064 0.029 GEOM. MEAN 4.57 2.49 0.108 0.232 0.151 0.210 0.050 1ST QUARTILE 1.89 0.085 0.185 0.033 2.17 0.080 0.182 2ND QUARTILE 4.69 2.50 0.118 0.245 0.182 0.211 0.052 3RD QUARTILE 0.256 0.065 8.85 3.55 0.146 0.334 0.256 MISSING VALUES 0 0 0 0 0 0 SODIUM ALUMINIUM MAGNESIUM MANGANESE COPPER IRON LEAD UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 # OF SAMPLES 14 14 14 14 14 14 14 MAXIMUM 0.237 0.187 0.070 0.019 0.0061 0.008 0.155 MUNIMUM 0.084 0.025 0.028 0.011 0.002 0.0020 0.002 0.009 0.005 ARITH. MEAN 0.118 0.080 0.092 0.047 0.0039 ARITH. STD. DEV 0.041 0.043 0.048 0.019 0.005 0.0012 0.002 0.078 0.007 0.004 GEOM. MEAN 0.113 0.069 0.042 0.0037 1ST QUARTILE 0.089 0.046 0.038 0.029 0.004 0.0029 0.003 2ND QUARTILE 0.106 0.072 0.105 0.048 0.008 0.0042 0.005 3RD QUARTILE 0.130 0.113 0.126 0.064 0.012 0.0047 0.007 MISSING VALUES 0 0 0 0 0 0 0 VANADIUM ZINC CADMIUM NICKEL SULFATE NYL TOTAL TOTAL N SULFUR NITRATE UG/M3 UG/M3 UG/M3 UG/M3 UG/M3 UG/M**3 UG/M**3 # OF SAMPLES 14 14 14 14 14 14.00 14.00 MAXIMUM 0.00953 0.0064 0.0239 0.01171 1.3634 7.27 0.58 MINIMUM 0.00052 0.0002 0.0023 0.00003 0.2811 1.22 0.17 ARITH. MEAN 0.00270 0.0012 0.0106 0.00263 0.7703 3.71 0.37 ARITH. STD. DEV 0.00225 0.0016 0.0067 0.00412 0.3510 1.85 0.13 GEOM. MEAN 0.00213 0.0008 0.0087 0.6880 3.30 0.00081 0.35 1ST QUARTILE 0.00150 0.0004 0.0047 0.00040 0.4622 2.25 0.26 2ND QUARTILE 0.00192 0.0008 0.0096 0.00061 0.8139 3.14 0.34 3RD QUARTILE 0.00347 0.0012 0.0141 0.00346 1.0223 5.25 0.47 MISSING VALUES 0 0 0 0 0.00 0.00

				OMMARI STATISTI GTATTON—MATTAN	A LOVOL SITE NO.			
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
AXIMUM	:	10.91	5.22	0.153	0.211	0.623	0.501	0.191
INIMUM	:	0.76	1.63	0.028	0.050	0.057	0.132	0.044
RITH. MEAN		3.60	2.67	0.073	0.128	0.287	0.286	0.098
RITH. STD. DEV		2.92	1.08	0.031	0.046	0.208	0.106	0.039
OM. MEAN	:	2.75	2.49	0.067	0.120	0.213	0.268	0.091
T QUARTILE	:	1.84	1.78	0.054	0.097	0.105	0.214	0.070
ND QUARTILE	:	2.19	2.26	0.067	0.125	0.218	0.278	0.092
RD QUARTILE	:	5.52	3.18	0.087	0.160	0.476	0.326	0.129
ISSING VALUES	:	0	0	0	0	0	0	0
*		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
XIMUM	:	0.312	1.580	2.590	0.625	0.014	0.0367	0.026
INIMOM	:	0.126	0.054	0.027	0.027	0.003	0.0036	0.002
RITH. MEAN	:	0.169	0.579	0.777	0.268	0.009	0.0167	0.005
RITH. STD. DEV	:	0.050	0.511	0.818	0.211	0.003	0.0111	0.006
EOM. MEAN	:	0.164	0.385	0.368	0.190	0.008	0.0133	0.004
T QUARTILE	:	0.139	0.205	0.134	0.106	0.006	0.0077	0.003
ND QUARTILE	:	0.150	0.430	0.416	0.201	0.008	0.0133	0.004
RD QUARTILE	:	0.188	0.898	1.419	0.495	0.011	0.0259	0.005
ISSING VALUES	:	0	0	0	0	0	0	0
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
XIMUM	:	0.00783	0.0029	0.1599	0.01703	1.1356	6.33	0.34
NIMUM	:	0.00016	0.0003	0.0058	0.00007	0.4225	1.09	0.10
RITH. MEAN	:	0.00245	0.0011	0.0278	0.00312	0.7374	2.69	0.20
RITH. STD. DEV	:	0.00194	0.0009	0.0404	0.00529	0.2405	1.42	0.07
OM. MEAN	:	0.00180	0.0008	0.0181	0.00081	0.7023	2.41	0.19
ET QUARTILE	:	0.00121	0.0004	0.0109	0.00029	0.5376	1.62	0.16
ND QUARTILE	:	0.00190	0.0008	0.0152	0.00052	0.7015	2.35	0.18
RD QUARTILE	:	0.00319	0.0018	0.0249	0.00476	0.9429	3.41	0.24
ISSING VALUES	:	0	0	0	0	0	0.00	0.00

				STATION=MCKELLA	R LOVOL SITE NO.			
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIU
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	9.68	6.08	0.264	0.381	0.522		0.12
MININUM	:	1.19	2.22	0.050	0.073	0.090		0.03
ARITH. MEAN		4.07	3.31	0.140	0.237	0.234		0.06
ARITH. STD. DEV	:	2.82	1.25	0.054	0.079	0.135	0.110	0.02
GEOM. MEAN	:	3.30	3.12	0.130	0.221	0.202		0.06
IST QUARTILE	:	1.70	2.28	0.109	0.215	0.113	0.228	0.04
2ND QUARTILE	:	3.60	2.91	0.135	0.220	0.203	0.265	0.05
RD QUARTILE	:	5.96	4.32	0.159	0.283	0.325	0.306	0.07
CISSING VALUES	:	0	0	0	0	0	0	0
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	0.534	0.175	0.228	0.067	0.014	0.0074	0.00
IN INOM		0.095	0.008	0.016	0.019	0.003	0.0023	0.00
ARITH. MEAN		0.203	0.087	0.088	0.044	0.009	0.0041	0.00
ARITH. STD. DEV	:	0.157	0.049	0.063	0.017	0.004	0.0014	0.00
GEOM. MEAN		0.169	0.070	0.069	0.041	0.008	0.0039	0.00
ST QUARTILE	:	0.116	0.047	0.043	0.026	0.004	0.0032	0.00
ND QUARTILE	:	0.136	0.078	0.073	0.046	0.009	0.0038	0.00
RD QUARTILE	:	0.165	0.133	0.136	0.064	0.013	0.0050	0.00
CISSING VALUES		0	0	0	0	0	0	0
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	11	11	11	11	11	11.00	11.00
MOMIKA	:	0.01109	0.0016	0.0154	0.01494	1.5167	5.81	0.65
INIMUM	:	0.00037	0.0005	0.0052	0.00003	0.3173	1.68	0.18
RITH. MEAN	:	0.00309	0.0009	0.0104	0.00247	0.9984	3.14	0.38
RITH. STD. DEV	:	0.00367	0.0003	0.0033	0.00489	0.3435	1.31	0.12
EOM. MEAN	:	0.00182	0.0009	0.0099	0.00053	0.9309	2.92	0.36
ST QUARTILE	:	0.00077	0.0007	0.0077	0.00025	0.8385	2.22	0.26
ND QUARTILE		0.00148	0.0008	0.0108	0.00042	0.9929	2.60	0.38
RD QUARTILE	:	0.00316	0.0010	0.0130	0.00070	1.1882	3.83	0.43
ISSING VALUES	•	0	0	0	0	0	0.00	0.00

				STATION=MOONBEAM	LOVOL SITE NO.	1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	1.90	2.16	0.054	0.131	0.988		0.084
MINIMUM	:	0.54	0.97	0.016	0.043	0.060	0.102	0.013
ARITH. MEAN	:	1.11	1.48	0.028	0.074	0.475	0.179	0.044
ARITH. STD. DEV	:	0.50	0.40	0.013	0.027	0.327	0.075	0.023
GEOM. MEAN	:	1.00	1.43	0.026	0.069	0.349	0.169	0.039
1ST QUARTILE	:	0.55	1.10	0.018	0.046	0.203	0.134	0.024
2ND QUARTILE	:	1.12	1.43	0.023	0.066	0.410	0.171	0.037
SRD QUARTILE	:	1.57	1.77	0.036	0.100	0.754	0.186	0.062
MISSING VALUES	:	0	0	0	0	0	0	0
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	0.356	0.186	0.294	0.195	0.023	0.0076	0.004
MINIMUM	:	0.088	0.005	0.027	0.023	0.001	0.0009	0.000
ARITH. MEAN		0.131	0.097	0.130	0.101	0.007	0.0040	0.002
ARITH. STD. DEV	:	0.077	0.064	0.097	0.056	0.007	0.0020	0.001
GEOM. MEAN	:	0.119	0.067	0.097	0.086	0.005	0.0034	0.002
1ST QUARTILE	:	0.094	0.038	0.040	0.057	0.003	0.0033	0.002
2ND QUARTILE	:	0.108	0.098	0.110	0.090	0.004	0.0036	0.002
3RD QUARTILE	:	0.116	0.163	0.207	0.154	0.012	0.0053	0.003
MISSING VALUES	:	0	0	0	0	0	0	0
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL	TOTAL N
							SULFUR	NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	11	11	11	11	11	11.00	11.00
MAXIMUM	:	0.00896	0.0054	0.0357	0.01581	0.8675	1.53	0.16
MINIMUM	:	0.00013	0.0002	0.0012	0.00004	0.2678	0.59	0.06
ARITH. MEAN	:	0.00158	0.0010	0.0075	0.00257	0.6072	1.05	0.10
ARITH. STD. DEV	:	0.00255	0.0015	0.0099	0.00533	0.1636	0.32	0.03
SEOM. MEAN	:	0.00076	0.0005	0.0047	0.00042	0.5831	1.00	0.10
ST QUARTILE	:	0.00049	0.0003	0.0023	0.00018	0.5319	0.75	0.08
ND QUARTILE	:	0.00066	0.0004	0.0035	0.00027	0.5835	1.12	0.09
RD QUARTILE	:	0.00144	0.0009	0.0067	0.00058	0.7421	1.31	0.12
ISSING VALUES		0	0	0	0	0	0.00	0.00

-						E LOVOL SITE NO.	(Cont.)		
			SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
			UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
- 87	OF SAMPLES	:	9	9	9	9	9	9	9
- 5	MAXIMUM	:	1.25	3.50	0.029	0.114	1.591		0.068
1	MINIMUM	:	0.19	0.54	0.013	0.000	0.023	0.182	0.009
1	ARITH. MEAN	:	0.57	1.12	0.020	0.034	0.443	0.297	0.035
1	ARITH. STD. DEV	:	0.33	0.93	0.006	0.034	0.532	0.119	0.021
(GEOM. MEAN	:	0.50	0.93	0.019	0.038	0.216	0.279	0.028
	ST QUARTILE	:	0.34	0.60	0.015	0.010	0.086	0.196	0.015
	ND QUARTILE	:	0.47	0.83	0.016	0.031	0.179	0.287	0.031
:	RD QUARTILE	:	0.77	1.17	0.026	0.042	0.830	0.351	0.055
1	ISSING VALUES	:	0	0	0	0	0	0	1
			SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
			UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
1	OF SAMPLES	:	9	9	9	9	9	9	9
1	CAXIMUM	:	0.432	0.079	0.120	0.209	0.018	0.0030	0.006
)	CINIMOM	:	0.155	0.005	0.010	0.031	0.001	0.0006	0.001
2	RITH. MEAN	:	0.210	0.037	0.042	0.077	0.004	0.0013	0.002
2	RITH. STD. DEV	:	0.087	0.025	0.038	0.058	0.006	0.0009	0.002
G	EOM. MEAN	:	0.199	0.027	0.030	0.063	0.002	0.0011	0.001
1	ST QUARTILE	:	0.161	0.014	0.015	0.036	0.001	0.0007	0.001
2	ND QUARTILE	:	0.178	0.033	0.026	0.051	0.003	0.0010	0.001
	RD QUARTILE	:	0.226	0.057	0.072	0.109	0.005	0.0020	0.002
H	ISSING VALUES	:	0	0	0	0	0	0	0
			MICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
			UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	DG/M**3	UG/M**3
S	OF SAMPLES	•	9	9	9	9	9	9.00	9.00
160	AXIMUM	:	0.02766	0.0023	0.0329	0.01349	0.5882	1.44	0.14
301	INIMUM	:	0.00012	0.0002	0.0006	0.00002	0.2111	0.30	0.01
	RITH. MEAN	:	0.00512	0.0010	0.0081	0.00390	0.4444	0.66	0.05
	RITH. STD. DEV	:	0.00897	0.0008	0.0112	0.00558	0.1132	0.38	0.04
G	EOM. MEAN	:	0.00144	0.0007	0.0036	0.00069	0.4284	0.58	0.04
1	ST QUARTILE	:	0.00046	0.0003	0.0012	0.00017	0.3852	0.37	0.03
2	ND QUARTILE	:	0.00091	0.0007	0.0026	0.00029	0.4682	0.51	0.05
3	RD QUARTILE	:	0.00724	0.0020	0.0134	0.00985	0.5348	0.92	0.07
M	ISSING VALUES	:	0	0	0	0	0	0.00	0.00

			ST	ATION=OTTER ISLAN	D LOVOL SITE N	10.1		
		SULFUR. DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES		6	6	6	6	6	6	6
MAXIMUM	*	1.59	1.02	0.044	0.112	0.205	0.135	0.163
MINIMUM		0.65	0.37	0.031	0.070	0.041		0.000
ARITH. MEAN	:	0.93	0.67	0.038	0.085	0.109	0.096	0.053
ARITH. STD. DEV		0.39	0.28	0.005	0.017	0.067	0.024	0.066
GEOM. MEAN	:	0.88	0.63	0.038	0.084	0.093	0.094	0.043
1ST QUARTILE		0.65	0.42	0.033	0.071	0.053	0.079	0.007
2ND QUARTILE		0.88	0.61	0.040	0.083	0.089	0.088	0.024
3RD QUARTILE	:	1.24	0.96	0.043	0.100	0.176	0.118	0.113
MISSING VALUES	:	1	1	1	1	1	1	1
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	6	6	6	6	6	6	6
MAXIMUM	:	0.085	0.053	0.113	0.058	0.005	0.0026	0.002
MINIMUM	:	0.060	0.019	0.015	0.003	0.001	0.0006	0.000
ARITH. MEAN	:	0.078	0.031	0.048	0.022	0.003	0.0011	0.001
ARITH. STD. DEV	:	0.010	0.014	0.041	0.021	0.002	0.0009	0.001
GEOM. MEAN	:	0.077	0.029	0.036	0.015	0.002	0.0009	0.001
IST QUARTILE	:	0.070	0.019	0.018	0.008	0.001	0.0006	0.000
ND QUARTILE	:	0.080	0.032	0.028	0.016	0.004	0.0006	0.001
3RD QUARTILE	:	0.085	0.043	0.089	0.039	0.005	0.0018	0.001
MISSING VALUES	:	1	1	1	1	1	1	1
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL	TOTAL N
							SULFUR	NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	6	6	6	6	6	6.00	6.00
MOMIKAN	:	0.00100	0.0013	0.0113	0.00996	0.9340	1.14	0.15
MINIMUM	:	0.00021	0.0004	0.0006	0.00013	0.6284	0.48	0.10
RITH. MEAN	:	0.00060	0.0009	0.0032	0.00213	0.7499	0.69	0.12
RITH. STD. DEV		0.00036	0.0005	0.0046	0.00438	0.1262	0.26	0.02
GEOM. MEAN	:	0.00049	0.0007	0.0017	0.00037	0.7417	0.66	0.12
ST QUARTILE	:	0.00023	0.0004	0.0008	0.00013	0.6399	0.52	0.10
ND QUARTILE	:	0.00063	0.0010	0.0013	0.00015	0.7192	0.63	0.12
RD QUARTILE	:	0.00094	0.0013	0.0064	0.00511	0.8753	0.89	0.14
ISSING VALUES	:	1	1	1	1	1	1.00	1.00

				STATION=PALMERSTO	N LOVOL SITE NO).1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		DG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES	:	12	12	12	12	12	12	12
MAXIMUM	:	16.09	8.35	0.312	1.599	1.996	0.887	0.212
MINIMUM	:	3.77	3.07	0.084	0.613	0.318	0.329	0.043
ARITH. MEAN	:	7.49	4.78	0.173	1.038	0.749	0.527	0.096
RITH. STD. DEV	:	4.30	1.70	0.074	0.311	0.489	0.159	0.054
EOM. MEAN	:	6.60	4.53	0.159	0.996	0.638	0.507	0.085
ST QUARTILE	:	4.49	3.37	0.107	0.814	0.347	0.395	0.056
ND QUARTILE	:	5.42	4.38	0.172	1.071	0.613	0.523	0.076
RD QUARTILE	:	12.72	6.17	0.232	1.268	0.957	0.648	0.114
CISSING VALUES	:	1	1	1	1	1	1	1
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	Manganese	COPPER
		UG/M3	DG/M3	UG/M3	UG/N3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	12	12	12	12	12	12	12
CAXIMON	:	0.357	0.388	0.401	0.499	0.037	0.0169	0.004
CININOM	:	0.091	0.050	0.006	0.077	0.002	0.0040	0.001
ARITH. MEAN	:	0.184	0.148	0.112	0.208	0.022	0.0082	0.003
RITH. STD. DEV	:	0.080	0.094	0.118	0.132	0.013	0.0039	0.001
EOM. MEAN	:	0.170	0.128	0.069	0.175	0.017	0.0075	0.003
ST QUARTILE	:	0.121	0.090	0.037	0.103	0.009	0.0047	0.002
ND QUARTILE	:	0.153	0.121	0.061	0.166	0.021	0.0082	0.003
RD QUARTILE	:	0.214	0.200	0.153	0.303	0.036	0.0112	0.003
ISSING VALUES	:	1	1	1	1	1	1	1
		NICKEL	VANADIUM	ZINC	CADMIUN	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	DG/M3	DG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	•	12	12	12	12	12	12.00	12.00
AXINUM	:	0.00774	0.0021	0.0303	0.01970	3.4699	9.68	1.87
IINIMUM	:	0.00032	0.0005	0.0131	0.00022	0.4686	3.15	0.74
RITH. MEAN	•	0.00207	0.0014	0.0221	0.00390	1.4202	5.34	1.21
RITH. STD. DEV	:	0.00212	0.0004	0.0058	0.00615	0.9083	2.17	0.34
EOM. MEAN	:	0.00143	0.0014	0.0214	0.00127	1.1832	4.98	1.17
ST QUARTILE	:	0.00077	0.0012	0.0172	0.00041	0.6871	3.38	0.92
ND QUARTILE	:	0.00147	0.0015	0.0223	0.00073	1.2805	4.70	1.20
RD QUARTILE	:	0.00234	0.0017	0.0282	0.00855	2.0167	7.54	1.36
CISSING VALUES	:	1	1	1	1	1	1.00	1.00

				AMBRICAL DIALIBLE	S OF CONCENTRAL	10.1		
		ATTEMP DIAV		STATION=PICKLE LAN	KE LOVOL SITE N	CALCIUM	CHLORIDE	POTASSIUM
¥		SULFUR.DIOX	SULFATE UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES		UG/M3 13	13	13	13	13	13	13
		1.61	1.93	0.078	0.148	0.757	273.00	0.092
MOMIKAM	-	0.00	0.04	0.006	0.145	0.023		0.013
MINIMUM		0.59	1.01	0.029	0.063	0.348		0.042
ARITH. MEAN	1	0.56	0.49	0.029	0.036	0.268		0.025
ARITH. STD. DEV	- 1	0.53	0.80	0.022	0.055	0.225		0.036
GEOM. MEAN		0.33	0.69	0.015	0.032	0.109		0.025
1ST QUARTILE	•	0.19	1.02	0.019	0.054	0.340		0.023
2ND QUARTILE		0.39	1.02	0.019	0.084	0.620		0.060
3RD QUARTILE	-			0.041	0.004	0.020	0.231	0.000
MISSING VALUES		0 SODIUM	0 IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
£ 00 03100100		13	13	13	13	13	13	13
F OF SAMPLES	•		0.339	0.367	0.219	0.023		0.015
MAXIMUM	- 1	0.379	0.339	0.006	0.219	0.023		0.001
MINIMUM	•		0.140	0.118	0.007	0.002		0.001
ARITH. MEAN	•	0.143	0.116	0.118	0.068	0.006		0.004
ARITH. STD. DEV	•	0.087 0.125	0.084	0.065	0.064	0.005		0.003
GEOM. MEAN	•	0.125	0.035	0.030	0.035	0.003		0.003
1ST QUARTILE	•	0.122	0.109	0.083	0.033	0.008		0.003
2ND QUARTILE	•	0.122	0.109	0.003	0.140	0.009		0.003
3RD QUARTILE	•	0.184	0.234	0.203	0.140	0.003	0.0060	0.007
MISSING VALUES	٠	NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL	TOTAL N
		MICKEL	VARIADIOM	LINC	CADRION	SOTEWIE WIT	SULFUR	NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES		13	13	13	13	13	13.00	13.00
MAXIMUM	:	0.00506	0.0011	0.0036	0.01181	1.3437	1.44	0.21
MINIMUM		0.00017	0.0002	0.0006	0.00010	0.0748	0.12	0.04
ARITH. MEAN		0.00231	0.0005	0.0020	0.00261	0.4209	0.63	0.09
ARITH. STD. DEV	:	0.00178	0.0003	0.0020	0.00450	0.3410	0.41	0.05
GEOM. MEAN	:	0.00178	0.0004	0.0017	0.00052	0.3282	0.51	0.08
SEOM. MEAN LST QUARTILE	:	0.00046	0.0002	0.0017	0.00032	0.2124	0.27	0.05
ND QUARTILE		0.00180	0.0002	0.0012	0.00023	0.3328	0.52	0.07
RD QUARTILE	:	0.00188	0.0007	0.0013	0.00523	0.4845	0.96	0.13
	:	0.00408	0.0007	0.0027	0.00323	0.4643	0.00	0.00
MISSING VALUES		U	0	U		U	0.00	0.00

			st	ATION=PORT STAN	LEY LOVOL SITE N	ю.1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES	:	13	13	13	13	13	13	13
MAXINUM	:	19.84	11.25	0.545	1.357	1.779	0.808	0.143
MININUM	:	4.54	2.58	0.116	0.564	0.259	0.364	0.044
ARITH. MEAN	:	8.81	5.52	0.305	0.926	0.730	0.503	0.098
ARITH. STD. DEV	:	3.95	2.67	0.144	0.258	0.408	0.133	0.033
GEOM. MEAN	:	8.18	5.01	0.273	0.893	0.647	0.489	0.092
1ST QUARTILE	:	6.54	3.56	0.221	0.741	0.496	0.408	0.069
2ND QUARTILE	:	8.20	4.48	0.276	0.895	0.592	0.477	0.098
3RD QUARTILE	:	9.83	6.71	0.445	1.209	0.836	0.555	0.128
MISSING VALUES	:	1	2	1	2	2	2	1
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	DG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	. 13
MAXIMUM	:	0.322	0.510	0.620	0.336	0.036	0.0278	0.004
MINIMUM	:	0.118	0.059	0.014	.0.004	0.005	0.0072	0.001
ARITH. MEAN	:	0.168	0.195	0.175	0.114	0.016	0.0125	0.003
ARITH. STD. DEV	:	0.057	0.123	0.178	0.084	0.009	0.0058	0.001
GEOM. MEAN	:	0.161	0.167	0.112	0.081	0.014	0.0116	0.003
1ST QUARTILE	:	0.130	0.116	0.054	0.079	0.010	0.0092	0.003
2ND QUARTILE	:	0.148	0.167	0.108	0.099	0.016	0.0108	0.003
RD QUARTILE	:	0.193	0.261	0.292	0.127	0.018	0.0155	0.004
MISSING VALUES	:	1	2	2	2	2	2	2
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
CAXIMOM		0.00355	0.0075	0.0363	0.01116	12.0209	11.23	1.62
CINIMOM	:	0.00040	0.0014	0.0006	0.00038	0.6205	3.76	0.97
ARITH. MEAN	:	0.00194	0.0024	0.0268	0.00333	2.3251	6.43	1.24
RITH. STD. DEV		0.00095	0.0017	0.0091	0.00431	3.1266	1.83	0.23
GEOM. MEAN	:	0.00169	0.0021	0.0205	0.00145	1.5489	6.23	1.22
ST QUARTILE	:	0.00124	0.0016	0.0279	0.00047	0.8054	5.60	1.03
ND QUARTILE	:	0.00157	0.0018	0.0290	0.00073	1.5404	6.15	1.17
RD QUARTILE	:	0.00253	0.0025	0.0302	0.00773	2.3370	6.94	1.49
cissing values	:	2	2	2	2	1	2.00	2.00

			ST	TION=QUETICO CE	NTRE LOVOL SITE	NO.1		
		SULFUR DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	8	13	13	13	13	13	13	13
MIXAN	:	1.75	2.17	0.137	0.275	0.341	0.246	0.252
MINIMUM	:	0.25	0.73	0.002	0.049	0.045	0.075	0.013
ARITH. MEAN	:	0.74	1.20	0.054	0.109	0.144	0.134	0.066
ARITH. STD. DEV	:	0.43	0.47	0.037	0.077	0.093	0.046	0.067
GEOM. MEAN	:	0.64	1.13	0.039	0.090	0.119	0.128	0.046
1ST QUARTILE	:	0.40	0.78	0.032	0.053	0.073	0.099	0.024
2ND QUARTILE	:	0.67	1.16	0.044	.0.071	0.111	0.131	0.044
3RD QUARTILE	:	1.08	1.43	0.078	0.154	0.220	0.160	0.077
MISSING VALUES	:	1	1	1	1	1	1	1
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
MAXIMUM	:	0.334	0.172	0.109	0.057	0.012	0.0049	0.006
MINIMUM	:	0.066	0.021	0.007	0.008	0.001	0.0006	0.000
ARITH. MEAN	:	0.124	0.068	0.041	0.033	0.004	0.0027	0.002
ARITH. STD. DEV	:	0.077	0.039	0.030	0.016	0.004	0.0015	0.001
GEOM. NEAN	:	0.109	0.060	0.032	0.029	0.003	0.0022	0.001
ST QUARTILE	:	0.076	0.042	0.021	0.022	0.001	0.0013	0.001
ND QUARTILE	:	0.095	0.068	0.031	0.033	0.002	0.0023	0.002
RD QUARTILE	:	0.150	0.074	0.064	0.047	0.009	0.0043	0.002
ISSING VALUES	:	1	1	1	1	1	1	1
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL	TOTAL N
				2.9	2.2		SULFUR	NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
MOMIXAN	:	0.00280	0.0013	0.0047	0.01549	1.2402	1.60	0.36
AINIMOM	:	0.00012	0.0002	0.0006	0.00009	0.0927	0.40	0.08
ARITH. MEAN	:	0.00110	0.0006	0.0026	0.00255	0.6555	0.77	0.16
RITH. STD. DEV	:	0.00097	0.0004	0.0015	0.00482	0.3628	0.35	0.09
SEOM. MEAN	:	0.00068	0.0005	0.0020	0.00054	0.5416	0.71	0.14
ST QUARTILE	:	0.00034	0.0002	0.0007	0.00018	0.4024	0.48	0.10
ND QUARTILE	:	0.00077	0.0004	0.0033	0.00029	0.5290	0.71	0.12
RD QUARTILE	:	0.00213	0.0009	0.0039	0.00313	1.0230	0.95	0.20
ISSING VALUES	:	1	1	1	1	1	1.00	1.00

			Si	CATION=SHALLOW L	AKE LOVOL SITE	10.1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	DG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	12	12	12	12	12	12	12
MAXIMUM	:	13.31	6.38	0.215	0.903	0.628	0.479	0.442
MINIMUM	:	2.40	0.83	0.056	0.242	0.091	0.000	0.011
ARITH. MEAN	:	5.52	3.44	0.151	0.568	0.367	0.262	0.139
RITH. STD. DEV	:	3.56	1.89	0.053	0.271	0.167	0.129	0.128
GEOM. MEAN	:	4.70	2.88	0.141	0.505	0.325	0.279	0.094
ST QUARTILE	:	3.09	2.04	0.119	0.302	0.262	0.217	0.069
ND QUARTILE	:	3.72	3.09	0.145	0.583	0.375	0.240	0.095
RD QUARTILE	:	8.59	5.42	0.207	0.836	0.478	0.357	0.193
CISSING VALUES	:	2	2	2	2	2	2	2
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	12	12	12	12	12	12	12
CAXINON	:	0.225	0.195	0.212	0.191	0.029	0.0098	0.005
INIMOM	:	0.079	0.030	0.008	0.035	0.001	0.0024	0.001
RITH. MEAN	:	0.133	0.102	0.095	0.094	0.011	0.0052	0.003
RITH. STD. DEV	:	0.057	0.051	0.080	0.045	0.009	0.0025	0.001
EOM. MEAN	:	0.123	0.090	0.061	0.085	0.006	0.0047	0.003
ST QUARTILE	:	0.083	0.065	0.026	0.066	0.002	0.0033	0.003
ND QUARTILE	:	0.108	0.089	0.060	0.076	0.009	0.0044	0.003
RD QUARTILE	:	0.197	0.152	0.192	0.121	0.017	0.0075	0.005
ISSING VALUES	:	2	2	2	2	2	2	2
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	DG/M3	UG/M3	UG/M**3	DG/M**3
OF SAMPLES	:	12	12	12	12	12	12.00	12.00
AXIMUM	:	0.00152	0.0012	0.0203	0.00182	1.5807	7.66	1.11
INIMOM	:	0.00024	0.0003	0.0018	0.00001	0.5936	2.19	0.36
RITH. MEAN	:	0.00099	0.0009	0.0113	0.00056	1.0199	3.91	0.72
RITH. STD. DEV	:	0.00047	0.0003	0.0052	0.00052	0.3657	1.60	0.31
EOM. MEAN	:	0.00086	0.0008	0.0096	0.00033	0.9589	3.66	0.66
ST QUARTILE	:	0.00062	0.0007	0.0084	0.00024	0.6239	2.91	0.39
ND QUARTILE	:	0.00104	0.0010	0.0123	0.00039	1.0590	3.40	0.71
RD QUARTILE	:	0.00148	0.0011	0.0135	0.00076	1.2903	4.76	1.01
ISSING VALUES		2	2	2	2	2	2.00	2.00

			SI	TATION=SMITHS FA	LLS LOVOL SITE N	Ю.1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
MAXIMUM		4.47	5.79	0.209	0.660	1.794		0.235
MINIMUM	:	0.72	0.15	0.055	0.194	0.134	0.207	0.046
ARITH, MEAN	:	2.53	3.11	0.110	0.417	0.835		0.102
ARITH. STD. DEV	:	1.04	1.59	0.047	0.159	0.548	0.076	0.060
GEOM. MEAN	:	2.29	2.44	0.101	0.387	0.643	0.317	0.089
IST QUARTILE	=	1.64	2.39	0.070	0.274	0.337	0.258	0.057
2ND QUARTILE	:	2.68	3.06	0.093	0.390	0.787	0.327	0.075
3RD QUARTILE	:	3.43	4.21	0.148	0.523	1.143	0.391	0.159
ISSING VALUES	:	0	0	0	0	1	0	0
12547 1		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
MUMIKA	:	0.334	0.293	0.389	0.548	0.036	0.0205	0.005
CINIMUM	:	0.093	0.034	0.013	0.004	0.008	0.0036	0.001
RITH. MEAN	:	0.186	0.136	0.124	0.252	0.016	0.0106	0.002
ARITH. STD. DEV	:	0.067	0.077	0.130	0.173	0.008	0.0051	0.001
SEOM. MEAN		0.175	0.115	0.072	0.160	0.014	0.0095	0.002
ST QUARTILE	:	0.137	0.069	0.025	0.100	0.011	0.0067	0.001
ND QUARTILE	:	0.186	0.123	0.055	0.233	0.013	0.0100	∞ 0.002
RD QUARTILE	:	0.230	0.174	0.191	0.379	0.019	0.0136	0.003
ISSING VALUES	:	0	1	1	1	1	1	1
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
AXIMUM		0.00299	0.0039	0.0232	0.00241	1.5143	3.10	0.87
INIMUM	•	0.00013	0.0002	0.0064	0.00027	0.5699	0.67	0.26
RITH. MEAN	:	0.00141	0.0013	0.0136	0.00085	1.0281	2.30	0.53
RITH. STD. DEV	:	0.00089	0.0009	0.0054	0.00081	0.3305	0.67	0.19
EOM. MEAN		0.00111	0.0011	0.0126	0.00061	0.9763	2.17	0.50
ST QUARTILE	•	0.00082	0.0006	0.0090	0.00031	0.6881	1.90	0.38
ND QUARTILE		0.00110	0.0013	0.0133	0.00049	1.0567	2.51	0.55
RD QUARTILE		0.00214	0.0016	0.0181	0.00141	1.3347	2.78	0.62
ISSING VALUES		1	1	1	1	0	0.00	0.00

			S7	TATION=TURKEY LA	KES LOVOL SITE N	ю.1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
MAXIMUM	:	9.13	3.35	0.205	0.318	0.521		0.161
MINIMUM	:	1.04	1.12	0.035	0.071	0.028	0.131	0.009
ARITH. MEAN	:	2.79	2.13	0.097	0.163	0.192	0.179	0.054
RITH. STD. DEV	:	2.29	0.68	0.051	0.085	0.142	0.058	0.038
EOM. MEAN	:	2.21	2.03	0.086	0.145	0.149	0.172	0.044
ST QUARTILE	:	1.27	1.49	0.062	0.101	0.100	0.143	0.032
ND QUARTILE	:	1.82	2.08	0.081	0.127	0.140	0.157	0.041
RD QUARTILE	:	4.01	2.66	0.131	0.234	0.297	0.186	0.073
ISSING VALUES	:	0	0	0	0	0	0	0
200		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
****		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
CAXIMUM	:	0.219	0.151	0.152	0.074	0.023	0.0065	0.004
INIMUM	:	0.089	0.002	0.010	0.020	0.001	0.0011	0.000
RITH. MEAN		0.114	0.065	0.058	0.040	0.006	0.0039	0.002
RITH. STD. DEV		0.034	0.040	0.044	0.014	0.007	0.0014	0.001
EOM. MEAN		0.111	0.044	0.045	0.038	0.003	0.0036	0.002
ST QUARTILE	:	0.096	0.041	0.029	0.029	0.002		0.001
ND QUARTILE	:	0.102	0.063	0.044	0.039	0.003	0.0040	0.002
RD QUARTILE		0.123	0.091	0.084	0.047	0.008	0.0047	0.002
ISSING VALUES		0	0	0	0	0	0	0
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	DG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
MUMIXA	:	0.01093	0.0019	0.0115	0.01795	1.2945	5.21	0.52
INIMUM	:	0.00013	0.0003	0.0007	0.00001	0.3297	1.31	0.14
RITH. MEAN	:	0.00184	0.0007	0.0062	0.00350	0.8612	2.11	0.26
RITH. STD. DEV	:	0.00286	0.0005	0.0030	0.00607	0.2513	1.13	0.13
eom. Mean	:	0.00098	0.0005	0.0053	0.00065	0.8203	1.91	0.23
ST QUARTILE	:	0.00057	0.0003	0.0045	0.00023	0.6915	1.38	0.16
ND QUARTILE	:	0.00089	0.0006	0.0056	0.00033	0.8813	1.56	0.20
RD QUARTILE	:	0.00170	0.0009	0.0081	0.00564	1.0043	2.82	0.37
ISSING VALUES	:	0	0	0	0	0	0.00	0.00

				STATION=UXBRIDG	E LOVOL SITE NO.	1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	11	11	11	11	11	11	11
CAXIMUM		6.52	4.49	0.229	0.635	1.749	0.477	0.342
MINIMUM	:	2.85	1.61	0.062	0.230	0.050	0.155	0.029
ARITH. MEAN		4.17	2.92	0.112	0.459	0.649	0.281	0.094
RITH. STD. DEV	:	1.18	0.89	0.049	0.131	0.483	0.093	0.095
GEOM. MEAN	:	4.03	2.80	0.105	0.441	0.475	0.268	0.072
ST QUARTILE	:	3.17	2.29	0.085	0.366	0.304	0.218	0.050
ND QUARTILE	:	3.95	2.67	0.095	0.457	0.610	0.272	0.066
3RD QUARTILE	:	5.00	3.66	0.130	0.574	0.809	0.330	0.087
MISSING VALUES	:	2	1	1	1	1	1	2
) week E		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
F OF SAMPLES	:	11	11	11	11	11	11	11
MAXIMUM	:	0.192	0.361	0.186	0.152	0.032	0.0199	0.004
MINIMUM	:	0.055	0.010	0.017	0.006	0.001	0.0006	0.000
ARITH. MEAN	:	0.114	0.111	0.068	0.062	0.012	0.0069	0.003
ARITH. STD. DEV	:	0.050	0.095	0.053	0.039	0.009	0.0051	0.001
GEOM. MEAN	:	0.104	0.083	0.052	0.049	0.009	0.0052	0.002
IST QUARTILE	:	0.065	0.071	0.029	0.041	0.005	0.0040	0.002
2ND QUARTILE	:	0.119	0.083	0.051	0.055	0.012	0.0062	0.003
RD QUARTILE	:	0.149	0.118	0.100	0.078	0.015	0.0078	0.003
ISSING VALUES	:	3	1	1	1	1	1	1
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	11	11	11	11	11	11.00	11.00
MOMIXAN	:	0.04454	0.0060	0.0248	0.00229	2.9918	4.05	0.75
INIMUM .	:	0.00012	0.0002	0.0006	0.00016	0.5001	2.19	0.32
RITH. MEAN	:	0.00519	0.0015	0.0142	0.00074	1.3643	3.06	0.57
RITH. STD. DEV	:	0.01384	0.0021	0.0072	0.00069	1.0460	0.66	0.14
EOM. MEAN	:	0.00093	0.0008	0.0107	0.00053	1.0642	3.00	0.55
ST QUARTILE	:	0.00047	0.0004	0.0079	0.00027	0.5918	2.45	0.46
ND QUARTILE	:	0.00090	0.0006	0.0147	0.00053	0.8486	3.03	0.61
RD QUARTILE	:	0.00142	0.0018	0.0199	0.00096	2.7749	3.64	0.67
ISSING VALUES	:	1	1	1	1	1	2.00	1.00

				STATION=WILKESPOR	TOUGHT STOP NO	1 1		
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
ALL SHOP IN THE PROPERTY OF THE PARTY.		DG/M3	DG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
MAXIMUM	:	22.09	9.13		1.638	2.735		0.149
MINIMOM	:	4.71	0.12		0.552	0.278		0.040
ARITH. MEAN	:	12.12	5.24		0.992	1.012		0.093
ARITH. STD. DEV	:	4.51	2.53		0.344	0.654		0.030
GEOM. MEAN	:	11.37	3.97	0.160	0.940	0.856		0.088
ST QUARTILE	:	9.40	3.70		0.717	0.539		0.072
ND QUARTILE		11.18	4.81	0.168	0.914	0.855		0.093
ORD QUARTILE	:	14.76	7.06	0.322	1.351	1.311	0.679	0.118
MISSING VALUES	:	0	0	0	0	. 0	0	0
** *1		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	13	13	13	13	13	13	13
CAXIMUM	:	0.355	0.618	0.643	0.497	0.051	0.0200	0.007
INIMUM	:	0.092	0.042	0.020	0.003	0.004	0.0046	0.001
RITE. MEAN	:	0.181	0.205	0.176	0.163	0.021	0.0099	0.004
RITH. STD. DEV	:	0.073	0.145	0.171	0.129	0.015	0.0041	0.002
EOM. MEAN		0.170	0.168	0.119	0.109	0.016	0.0092	0.003
ST QUARTILE		0.133	0.127	0.062	0.083	0.008	0.0069	0.003
ND QUARTILE	:	0.156	0.172	0.113	0.135	0.019	0.0095	0.003
RD QUARTILE	:	0.208	0.246	0.282	0.222	0.028	0.0116	0.004
ISSING VALUES	:	0	0	0	0	0	0	0
		NICKEL	MUIDAKAV	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	13	13	13	13	13	13.00	13.00
TAXINUM	:	0.00350	0.0046	0.0537	0.01495	2.9728	12.65	1.91
ININUM	:	0.00092	0.0018	0.0204	0.00059	0.3884	4.28	0.83
RITH. MEAN	:	0.00223	0.0030	0.0353	0.00340	1.3379	7.81	1.20
RITH. STD. DEV	:	0.00085	0.0009	0.0102	0.00478	0.7067	2.44	0.31
EOM. MEAN	:	0.00206	0.0029	0.0339	0.00158	1.1809	7.46	1.17
ST QUARTILE	:	0.00150	0.0021	0.0282	0.00064	0.8564	6.20	1.00
ND QUARTILE	:	0.00232	0.0030	0.0355	0.00085	1.2339	7.25	1.11
RD QUARTILE	:	0.00297	0.0036	0.0432	0.00575	1.6643	9.60	1.40
ISSING VALUES	:	0	0	0	0	0	0.00	0.00

PART IV

SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY REGION

				REGI	ON=CE			
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIU
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	35	35	35	35	35	35	35
MAXIMUM	:	7.05	6.73	3.531	11.772	3.462	0.558	0.56
MINIMUM		1.00	1.19	0.062	0.083	0.050	0.080	0.01
ARITH. MEAN	:	3.60	3.24	0.236	0.732	0.641	0.265	0.10
RITH. STD. DEV	:	1.45	1.29	0.595	1.991	0.763	0.122	0.13
GEOM. MEAN	:	3.27	3.02	0.135	0.376	0.390	0.238	0.07
IST QUARTILE		2.72	2.34	0.090	0.222	0.216	0.158	0.04
2ND QUARTILE		3.60	3.23	0.120	0.373	0.361	0.252	0.06
3RD QUARTILE	:	4.42	3.74	0.158	0.546	0.666	0.334	0.09
MISSING VALUES	:	4	3	2	2	3	3	4
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	35	35	35	35	· 35	35	35
CAXIMUM	:	0.375	0.361	0.386	0.177	0.037	0.0199	0.00
CINIMOM	:	0.055	0.010	0.003	0.004	0.001	0.0006	0.00
RITH. MEAN	:	0.152	0.111	0.104	0.056	0.012	0.0060	0.00
ARITH. STD. DEV	:	0.081	0.081	0.096	0.042	0.009	0.0041	0.00
ZEOM. MEAN	:	0.135	0.086	0.063	0.041	0.009	0.0048	0.00
ST QUARTILE		0.092	0.051	0.034	0.031	0.005	0.0037	0.00
ND QUARTILE	:	0.128	0.084	0.065	0.045	0.010	0.0051	0.00
RD QUARTILE	:	0.189	0.151	0.167	0.071	0.015	0.0072	0.00
ISSING VALUES	:	5	3	3	3	3	3	3
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	DG/M3	UG/M**3	UG/M**3
OF SAMPLES	•	35	35	35	35	35	35.00	35.00
AXIMUM		0.04454	0.0060	0.0250	0.02330	2.9918	4.65	15.30
INIMUM		0.00012	0.0002	0.0006	0.00014	0.5001	1.63	0.19
RITH. MEAN	:	0.00305	0.0010	0.0134	0.00240	1.2835	2.88	0.97
RITH. STD. DEV	:	0.00781	0.0012	0.0071	0.00494	0.7172	0.72	2.58
EOM. MEAN	:	0.00113	0.0007	0.0106	0.00087	1.1261	2.79	0.53
ST QUARTILE	:	0.00059	0.0005	0.0078	0.00036	0.7569	2.27	0.34
ND QUARTILE	:	0.00108	0.0007	0.0131	0.00064	1.0616	2.76	0.52
RD QUARTILE	:	0.00268	0.0010	0.0196	0.00215	1.6400	3.46	0.69
ISSING VALUES	:	3	3	3	3	3	4.00	2.00

				REGIO	ON=NE			
		SULFUR DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	:	91	91	91	91	91	91	91
MAXIMUM	:	35.76	6.08	0.264	0.441	1.591		0.191
MINIMOM	:	0.19	0.43	0.013	0.000	0.022		0.009
ARITH. MEAN	:	3.87	2.28	0.087	0.160	0.266		0.058
ARITH. STD. DEV	:	4.87	1.12	0.058	0.104	0.263		0.035
GEOM. MEAN	:	2.37	2.01	0.067	0.132	0.182		0.049
1ST QUARTILE	:	1.20	1.53	0.040	0.081	0.099		0.035
2ND QUARTILE	:	2.16	2.10	0.075	0.128	0.176		0.052
3RD QUARTILE	:	4.71	2.88	0.129	0.216	0.355	0.290	0.071
MISSING VALUES	:	7	7	7	7	7	7	8
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	:	91	91	91	91	91	91	91
MAXIMUM	:	0.635	1.580	2.590	0.625	0.039	0.0367	0.099
MINIMUM	:	0.067	0.002	0.003	0.003	0.001	0.0006	0.000
ARITH. MEAN	:	0.167	0.163	0.193	0.091	0.008		0.005
ARITH. STD. DEV	:	0.109	0.280	0.405	0.117	0.007	0.0066	0.012
GEOM. MEAN	:	0.146	0.075	0.079	0.059	0.006		0.003
1ST QUARTILE	:	0.102	0.042	0.034	0.033	0.003	0.0029	0.002
2ND QUARTILE	:	0.134	0.079	0.073	0.054	0.006		0.003
3RD QUARTILE	:	0.166	0.154	0.150	0.086	0.011	0.0059	0.005
MISSING VALUES		7	7	7	7	7	7	7
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
# OF SAMPLES	:	91	91	91	91	91	91.00	91.00
MAXIMUM	:	0.05417	0.0064	0.1599	0.01930	2.0514	19.26	0.65
MINIMUM	:	0.00012	0.0002	0.0006	0.00001	0.2111	0.30	0.01
ARITH. MEAN	:	0.00387	0.0009	0.0118	0.00295	0.7911	2.69	0.25
ARITH. STD. DEV	:	0.00778	0.0010	0.0180	0.00508	0.3664	2.56	0.15
GEOM. MEAN	:	0.00157	0.0007	0.0077	0.00066	0.7104	2.02	0.19
1ST QUARTILE	:	0.00063	0.0004	0.0046	0.00023	0.5286	1.33	0.14
2ND QUARTILE	:	0.00151	0.0007	0.0090	0.00047	0.7515	2.17	0.20
3RD QUARTILE	:	0.00319	0.0010	0.0131	0.00178	1.0038	3.09	0.35
MISSING VALUES	:	7	7	7	7	7	7.00	7.00

		REGION=NW									
		SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3			
OF SAMPLES	:	71	71	71	71	71	71	71			
CAXIMUM	:	2.48	2.27	0.146	0.275	0.757	0.529	0.713			
MINIMUM	:	0.00	0.02	0.000	0.006	0.012	0.059	0.000			
ARITH. MEAN	:	0.66	1.01	0.039	0.082	0.211	0.146	0.069			
RITH. STD. DEV	:	0.51	0.56	0.031	0.059	0.189	0.083	0.103			
EOM. MEAN	:	0.57	0.79	0.032	0.066	0.138	0.131	0.042			
ST QUARTILE	:	0.29	0.62	0.020	0.047	0.073	0.095	0.023			
ND QUARTILE	:	0.49	0.92	0.031	0.066	0.144	0.124	0.043			
RD CUARTILE	:	0.89	1.32	0.045	0.099	0.300	0.152	0.071			
ISSING VALUES	:	3	3	3	3	3	3	3			
122		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER			
100		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3			
OF SAMPLES	:	71	71	71	71	71	71	71			
AXIMUM	:	1.216	0.339	0.367	0.223	0.023	0.0071	0.030			
INIMOM	:	0.032	0.003	0.003	0.003	0.001	0.0006	0.000			
RITH, MEAN	:	0.133	0.077	0.073	0.059	0.006	0.0027	0.003			
RITH. STD. DEV	:	0.149	0.070	0.084	0.054	0.005	0.0019	0.004			
EOM. MEAN	:	0.107	0.052	0.041	0.037	0.004	0.0020	0.001			
ST QUARTILE	:	0.076	0.032	0.018	0.017	0.002	0.0009	0.001			
ND QUARTILE	:	0.094	0.054	0.037	0.044	0.005	0.0023	0.001			
RD QUARTILE	:	0.124	0.097	0.103	0.079	0.008	0.0042	0.002			
ISSING VALUES	:	3	4	3	3	3	3	3			
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE			
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3			
OF SAMPLES	:	71	71	71	71	71	71.00	71.00			
AXIMUM	:	0.03632	0.0014	0.0113	0.01685	1.4028	1.91	0.37			
INIMOM	:	0.00012	0.0002	0.0006	0.00005	0.0000	0.01	0.01			
RITH. MEAN	:	0.00199	0.0006	0.0026	0.00273	0.5033	0.67	0.12			
RITH. STD. DEV	:	0.00443	0.0003	0.0020	0.00462	0.3281	0.40	0.08			
EOM. MEAN	:	0.00102	0.0005	0.0020	0.00058	0.4194	0.52	0.10			
ST QUARTILE	:	0.00048	0.0003	0.0008	0.00018	0.2858	0.38	0.07			
ND QUARTILE	:	0.00101	0.0005	0.0023	0.00027	0.4424	0.59	0.09			
RD QUARTILE	:	0.00232	0.0008	0.0036	0.00166	0.6478	0.85	0.16			
ISSING VALUES	:	3	3	3	3	3	3.00	3.00			

				REGION	N=SE			
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	2	47	47	47	47	47	47	47
MAXIMUM	:	16.19	6.88	0.400	1.722	1.794	1.072	6.117
MINIMUM	:	0.72	0.15	0.036	0.050	0.011	0.115	0.046
ARITH. MEAN	:	3.08	3.53	0.121	0.429	0.598	0.334	0.303
ARITH. STD. DEV		2.46	1.48	0.065	0.331	0.481	0.203	0.946
EOM. MEAN		2.58	3.11	0.108	0.333	0.380	0.294	0.132
ST QUARTILE	:	1.66	2.61	0.081	0.230	0.202	0.210	0.074
ND QUARTILE	:	2.68	3.07	0.103	0.334	0.499	0.282	0.110
RD QUARTILE		3.45	4.66	0.143	0.519	0.900	0.391	0.169
ISSING VALUES	:	6	6	5	5	7	6	6
A. I		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
2.1		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	47	47	47	47	47	47	47
AXIMUM	:	0.683	0.293	0.389	0.548	0.042	0.0567	0.006
INIMUM	:	0.093	0.018	0.003	0.003	0.005	0.0033	0.001
RITH. MEAN	:	0.215	0.117	0.103	0.122	0.017	0.0125	0.003
RITH. STD. DEV	:	0.131	0.073	0.108	0.131	0.009	0.0115	0.001
EON. MEAN		0.189	0.094	0.061	0.068	0.015	0.0092	0.002
ST QUARTILE		0.137	0.063	0.027	0.046	0.010	0.0051	0.002
ND QUARTILE	:	0.173	0.101	0.053	0.080	0.014	0.0079	0.002
RD QUARTILE	:	0.246	0.170	0.143	0.143	0.020	0.0143	0.003
ISSING VALUES	:	6	7	7	7	7	7	7
		NICKEL	VANGDIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	47	47	47	47	47	47.00	47.00
AXIMUM	:	0.00533	0.0059	0.0454	0.00449	1.5713	9.39	2.12
INIMUM	:	0.00013	0.0002	0.0058	0.00025	0.4809	0.67	0.13
RITH. MEAN	:	0.00167	0.0015	0.0173	0.00094	1.0302	2.72	0.55
RITH. STD. DEV	:	0.00117	0.0011	0.0102	0.00101	0.2904	1.33	0.37
EOM. MEAN	:	0.00131	0.0012	0.0148	0.00064	0.9852	2.50	0.46
ST QUARTILE	:	0.00085	0.0008	0.0091	0.00037	0.8118	2.02	0.33
ND QUARTILE	:	0.00136	0.0012	0.0143	0.00048	1.0567	2.63	0.45
RD QUARTILE	:	0.00231	0.0017	0.0225	0.00087	1.2668	2.93	0.63
ISSING VALUES	:	7	7	7	7	6	6.00	5.00

				REGI				
		SULFUR.DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIU
		UG/M3	UG/M3	UG/M3	UG/M3	DG/M3	UG/M3	DG/M3
# OF SAMPLES	•	63	63	63	63	63	63	63
MAXIMUM	:	41.15	14.32	0.704	1.638	2.735		0.442
MININUM	:	2.40	0.12	0.018	0.242	0.091		0.01
ARITH. MEAN	:	10.07	5.06	0.233	0.944	0.759		0.10
ARITH. STD. DEV	:	6.33	2.69	0.138	0.332	0.477		0.06
Geom. Mean	:	8.57	4.11	0.196	0.876	0.638		0.09
ST QUARTILE	:	5.26	3.43	0.131	0.740	0.404		0.07
2ND QUARTILE	:	9.60	4.57	0.214	0.902	0.645		0.09
3RD QUARTILE	:	12.40	6.35	0.296	1.210	0.951		0.12
MISSING VALUES	:	4	5	4	5	5	5	4
		SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		DG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
OF SAMPLES	:	63	63	63	63	63	63	63
MAXIMUM		0.389	0.618	0.643	0.499	0.072	0.0278	0.00
MINIMUM	:	0.079	0.030	0.006	0.003	0.001	0.0024	0.00
ARITH. MEAN	:	0.178	0.180	0.147	0.152	0.020	0.0100	0.00
ARITH, STD. DEV	:	0.074	0.109	0.141	0.105	0.014	0.0048	0.00
GEOM. MEAN	:	0.166	0.152	0.095	0.112	0.014	0.0089	0.003
1ST QUARTILE	:	0.129	0.100	0.053	0.079	0.009	0.0068	0.003
2ND QUARTILE		0.163	0.167	0.095	0.122	0.017	0.0097	0.00
3RD QUARTILE		0.207	0.217	0.201	0.192	0.029	0.0127	0.004
MISSING VALUES	•	4	5	5	5	5	5	5
		NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N NITRATE
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
OF SAMPLES	:	63	63	63	63	63	63.00	63.00
CAXIMUM	:	0.01367	0.0075	0.0565	0.01970	12.0209	21.73	1.93
CINIMOM	:	0.00024	0.0003	0.0006	0.00001	0.3134	2.19	0.36
RITH. MEAN	:	0.00210	0.0022	0.0285	0.00310	1.5030	6.77	1.18
RITH. STD. DEV	:	0.00197	0.0014	0.0133	0.00477	1.5685	3.26	0.36
GEOM. MEAN	:	0.00161	0.0018	0.0236	0.00117	1.1861	6.13	1.11
ST QUARTILE		0.00122	0.0013	0.0202	0.00056	0.7619	4.61	0.97
ND QUARTILE	:	0.00160	0.0018	0.0288	0.00081	1.2303	6.33	1.14
ORD QUARTILE	•	0.00254	0.0027	0.0374	0.00253	1.8699	8.12	1.43
MISSING VALUES	•	5	5	5	5	4	5.00	5.00